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SW-RS790AD
SCHEMATIC DIAGRAM

Original

25

Service Manual

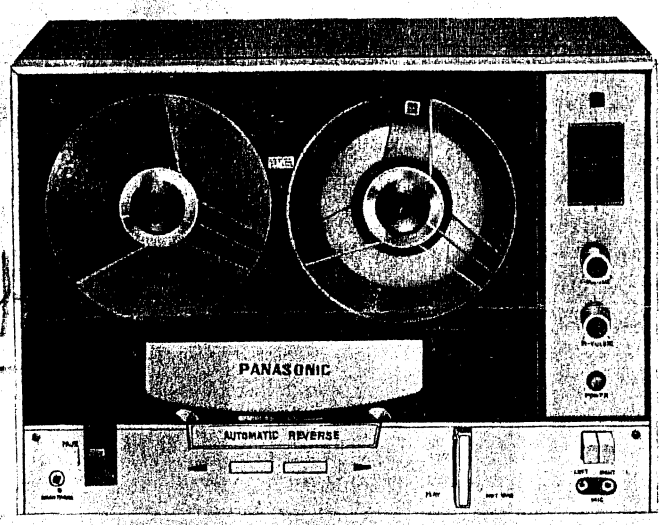
Panasonic

TAPE RECORDER

Panasonic

**SOLID STATE DUAL CAPSTAN 4-TRACK AC STEREO
TAPE DECK WITH CONTINUOUS AUTOMATIC REVERSE**

Arbeits-
stück
ET-Verkauf



$$\frac{35,3}{60} = \frac{x}{9,5}$$

This is the Service Manual of Model RS-790AD for PX.

MODEL RS-790AD

SPECIFICATIONS

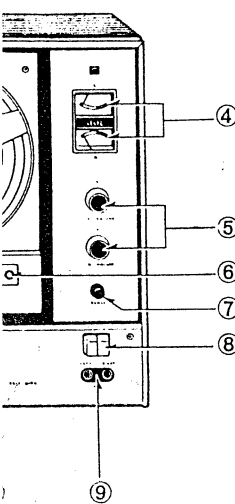
Power Source:	AC: 100~250 volts, 50/60 Hz	Frequency Response:	25~21,000 Hz at 7-1/2 ips 25~15,000 Hz at 3-3/4 ips 25~ 9,000 Hz at 1-7/8 ips
Power Consumption:	Approx. 45 W	Wow & Flutter:	Less than 0.09% WRMS at 7-1/2 ips Less than 0.18% WRMS at 3-3/4 ips Less than 0.22% WRMS at 1-7/8 ips
Transistors:	2SB348(2) 2SB346(6) 2SB172(2) 2SB324(3) 2SA101C(2)	Inputs:	2 "MIC" input 20 K Ω 0.55 mV 2 "AUX" input 100 K Ω 0.1 V REC/PLAY
Diodes & Rectifiers:	OA70(2) KC2d22/a(1) FR1M(4)	Outputs:	2 "LINE" output 3 K Ω 0.5 V "HEADPHONE" 8 Ω 55 mV REC/PLAY
Recording System:	AC bias 85 kHz	Dimensions:	19-3/4"(W) x 14-1/8"(H) x 8-1/2"(D)
Erasing System:	AC erase	Weight:	Approx. 32 lbs.
Track System:	4-track system		
Tape Speeds:	3 speeds, 7-1/2, 3-3/4 and 1-7/8 ips		
Rewind time:	Approx. 160 seconds for 7" standard tape (1200 ft)		
Fast Forward Time:	Approx. 160 seconds for 7" standard tape (1200 ft)		

These specifications are subject to change in order to accommodate improvements in design.

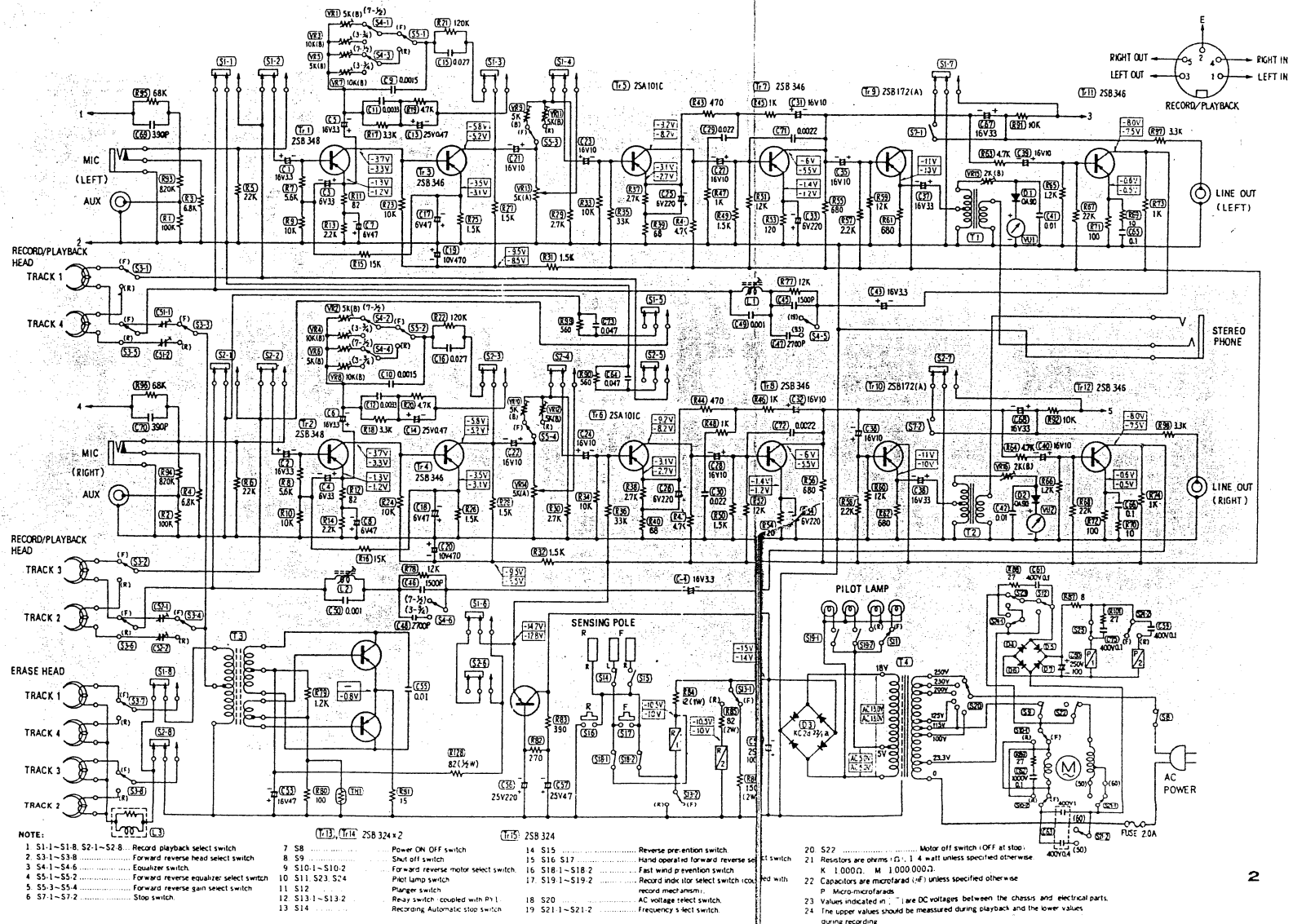
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
Tokyo Industrial Sales Office

2409

SCHEMATIC DIAGRAM MODEL RS-790AD



- 4 Input jacks
- 5 Record
- 6 Sket
- 7 Auxiliary input jacks
- 8 Post for automatic reverse
- 9 Reverse roller (Left)
- 10 Reverse roller (Left)
- 11 Erase/playback head for reverse
- 12 Erase head for reverse operation
- 13 Erase head for forward operation
- 14 Erase/playback head for forward
- 15 Erase head for forward operation
- 16 Reverse roller (Right)
- 17 Post for automatic reverse
- 18 Automatic shut-off tension arm



- NOTE:
- | | | | | | |
|-----------------------|---|----------------|-------------------------------------|----------------|--------------------------------|
| 1 S1-1-S1-8 S2-1-S2-8 | Record playback select switch | 7 S8 | Power ON OFF switch | 14 S15 | Reverse prevention switch |
| 2 S3-1-S3-8 | Forward reverse head select switch | 8 S9 | Shut off switch | 15 S16 S17 | Hand operated forward reverse |
| 3 S4-1-S4-6 | Equalizer switch | 9 S10-1-S10-2 | Forward reverse motor select switch | 16 S18-1-S18-2 | Fast wind prevention switch |
| 4 S5-1-S5-2 | Forward reverse equalizer select switch | 10 S11 S23 S24 | Pilot lamp switch | 17 S19-1-S19-2 | Record index for select switch |
| 5 S5-3-S5-4 | Forward reverse gain select switch | 11 S12 | Plunger switch | 18 S20 | Record medium |
| 6 S7-1-S7-2 | Stop switch | 12 S13-1-S13-2 | Relay switch, coupled with P11 | 19 S21-1-S21-2 | AC voltage select switch |
| | | 13 S14 | Recording Automatic stop switch | | Frequency select switch |
- 20 S22 Motor off switch OFF at stop
- 21 Resistors are ohms (Ω), 1 1/4 watt unless specified otherwise
- 22 Capacitors are microfarad (μF) unless specified otherwise
- 23 Values indicated in () are DC voltages between the chassis and electrical parts
- 24 The upper values should be measured during playback and the lower values during recording